ThinkCentre® M90z (0800) - Multi-touch (Windows 7)

Type-model	Proc-essor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Integrated graphics	SATA disk	Chassis intr switch	Blue-tooth	PCIe Mini Card 802.11	Media reader	Intel vPro	Win7 preload	Global Educ	Avail date
0800-A2U	i5-650	3.20	2GBx2	23.0" Full HD	2.0M	Intel HD	500GB[2]			Intel 1000	Media	vPro	Pro 32	None	Jun 10
0800-A5U	i5-650	3.20	2GBx1	23.0" Full HD	2.0M	Intel HD	320GB	Switch	Blue	Intel 1000	Media	vPro	Pro 32	None	Jun 10
✂ 0800-A6U	i5-670	3.46	2GBx1	23.0" Full HD	2.0M	Intel HD	320GB	Switch	Blue	Intel 1000	Media	vPro	Pro 32	None	Jun 10
✂ 0800-D4U	i3-530	2.93	2GBx1	23.0" Full HD	2.0M	Intel HD	320GB			Intel 1000			Pro 32	None	Jun 10

- ***Best space saving solution & excellent cable management***
- ***These models have a 3-year limited warranty[1]***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*All-In-One PC for the enterprise*
Processor	**Intel® Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or **Intel Core i5 Processor i5-650** or **i5-670** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache
Implementation	Processor in LGA1156 socket
Memory	**2GB** or **4GB** std, 8GB max[8], **PC3-10600 1333MHz DDR3**, dual-channel capable, two 204-pin SODIMM sockets (notebook)
Graphics	**Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB *[2GB models]*, 1759MB *[4GB model]*), one DisplayPort™ connector, supports dual independent display
DP dongle	None
Widescreen	**23.0"** (584.2mm) **Full HD 1080p (1920x1080) TFT color**, anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio, work as standalone monitor via VGA-in connector
Multi-touch	Supports Multi-touch function
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical on/off switch
SATA disk	**320GB** or **500GB**, SATA 3.0Gb/s, 3.5" wide, 7200 rpm
SATA DVD±RW	DVD burner, SATA 1.5Gb/s, 12.7mm high
eSATA port	None
Diskette drive	None
Media reader	*Some:* Single Slot SD Media Card Reader
Chipset	**Intel Q57 Express Chipset** Platform Controller Hub (PCH) for SATA, ethernet, and USB
Ports	*Rear:* four USB 2.0, ethernet (RJ-45), DisplayPort, VGA-in connector *Side:* two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
PCIe Mini Card	One PCI Express Mini Card slot
Intel 1000	11b/g/n wireless[13], PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
Bluetooth™	*Some:* Bluetooth 2.1 wireless, Broadcom® BCM2070, LED indicator
Ethernet	One gigabit ethernet port, Intel 82578DM
Audio	High Definition (HD) Audio, Realtek® ALC269 codec
Speaker	Two internal speakers (2watt x 2)
IEEE 1394	None
Intel AMT	*vPro model(s):* Intel Active Management Technology 6.0 (Intel AMT 6.0) *Non-vPro model(s):* None
Modem	None
Security chip	STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant
Keyboard	Preferred Pro USB Keyboard (USB USB connector), 104-key, black, Lenovo® logo
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo
Power supply	150 watts, autosensing, 85% PSU, 80 PLUS® Bronze qualified

All-In-One

- Business black color
- 22" W X 4.57" D X 17.4" H
- 560mm W X 116mm D X 443mm H
- 25.3 lb (11.5 kg) in maximum configuration
- Handle in rear
- Support VESA mount (100mm)
- Tool-less back cover, disk, optical drive, memory removal
- Frame stand

Bay ① 3.5", 1" high, no access, std disk (desktop)
Bay ② slim, .5" high, access, std optical (notebook)

Security

- Security chip (see information left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Boot sequence control
- Boot without keyboard, mouse
- Individual USB port disablement
- *Some:* Chassis intrusion switch

Supports ThinkVantage® technologies

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- TCO Certified Edge
- GREENGUARD® certified
- RoHS-compliant

Preloaded operating system[20]

- Genuine Windows® 7 Professional 32

Preloaded applications[5] (only some listed)

- Rescue and Recovery™
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Message Center Plus
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft Office 2010 preloaded; purchase product key to activate
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

Accessories

2GB PC3-10600 DDR3 SODIMM 55Y3710
More accessories on O-M90Z sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service[9]**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):[7]**
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day[14] toll-free support during the warranty period[1] via 800-426-7378**

See footnotes for important warranty information
US models announced May 11, 2010
✂ US models withdrawn effective April or November 2011

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